

Teze susținute

I. Teza Doctorat: Pătru Emil Nicusor

Data sustinere teza: 11.07.2024

Titlu Tezei: Cercetări privind fenomenele termice și rugozitatea suprafețelor rezultate în procesul de frezare a aliajelor de aluminiu

II Teza Doctorat: Panduru Dumitru

Data sustinere teza: 11.07.2024

Titlu Teza: Cercetări privind fenomenele termice și rugozitatea suprafețelor rezultate în procesul de strunjire a titanului și aliajelor sale

III Teza Doctorat: Dan Gheorge

Titlu Tezei "Utilizarea hidrogenului la motoarele cu ardere internă "

Data sustinere 01.07.2024

Activitatea de cercetare, dezvoltare tehnologică și inovare (CDI)

N r. C rt.	Articole în Buletine Științifice, Conferințe
1	Dumitru Panduru, Nicolae Craciunoiu, Emil Nicusor Patru, Marin Bica , Aspects regarding the specific energy and temperature in turning of pure titanium, Buletin Științific, Seria C, Fascicola: Mecanică, Tribologie, Tehnologia Construcțiilor de Mașini Scientific Bulletin, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, Baia Mare, ISSN 1224-3264, Vol. 2021 No. XXXV, pp. 71-75. https://www.proquest.com/openview/c821ce5bd86ebc0701b5fdcc2b3d7213/1?pq-
2	Emil Nicusor Patru, Nicolae Craciunoiu, Dumitru Panduru, Marin Bica , Researches on the specific energy and interface tool-chip temperature during milling of aluminum alloys,

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3	Dumitru Panduru, Marin Bica, Emil Nicusor Patru, Nicolae Craciunoiu, Simulation and experimental results on the temperature during turning process of commercially pure titanium, ACTA TECHNICA NAPOCENSIS Series: Applied Mathematics, Mechanics, and Engineering Vol. 65, Issue Special II, September, 2022, pag. 401-406, ISSN 1221-5872, WOS:000911249300018, Factor de Impact: 0,3, Q4, https://www.webofscience.com/wos/woscc/full-record/WOS:000911249300018
4	Dumitru Panduru, Marin Bica, Nicolae Craciunoiu, Ionut Geonea, and Emil Patru Nicusor, Analysis of turning process of pure titanium using Finite Element Method, International Conference of Mechanical Engineering, 18-20 May 2022, Atlantis Highlights in Engineering, Springer Nature. doi 10.2991/978-94-6463-152-4_50, Open Acces Mai 2023., https://www.atlantis-press.com/proceedings/ico-me-22/125987658
5	Emil Patru Nicusor, Marin Bica, Nicolae Craciunoiu, Ionut Geonea and Dumitru Panduru, Leonard Ciurezu Gherghe, Analysis of milling process of aluminium alloy using Finite Element Method, International Conference of Mechanical Engineering, 18-20 May 2022, Atlantis Highlights in Engineering, Springer Nature, doi 10.2991/978-94-6463-152-4_51, Open Acces Mai 2023,

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6	E N Patru, M Bica, D Panduru and N Craciunoiu, Temperature during the milling process of aluminum alloys using contact and non-contact methods, XXIIIrd National Conference on Thermodynamics with International Participation, IOP Conf. Series: Materials Science and Engineering, 1290, (2023) 012002, doi:10.1088/1757-899X/1290/1/012002. https://iopscience.iop.org/article/10.1088/1757-899X/1290/1/012002
7	D Panduru, M Bica, E N Patru and N Craciunoiu, Comparative results regarding the temperature for milling process of aluminum alloys and stainless steel, Presented at: XXIIIrd National Conference on Thermodynamics with International Participation, NACOT 2023, University „Dunărea de Jos” of Galati, 11-13 May 2023
8	PANDURU Dumitru, PATRU Emil Nicusor, BICA Marin and CRACIUNOIU Nicolae, TEMPERATURE IN TURNING PROCESS OF PURE TITANIUM AND Ti6Al4V, TITANIUM ALLOY, Presented at: University of Craiova, Department of Engineering and Management of Tehnological Systems, 7 th International Conference Advances in Engineering & Management, ADEM2023, 25-27 october, Drobeta Turnu Severin
9	. PATRU Emil Nicusor, PANDURU Dumitru, BICA Marin and CRACIUNOIU Nicolae, TEMPERATURE IN MILLING PROCESS OF ALUMINUM ALLOYS AND STAINLESS STEEL, Presented at: University of Craiova, Department of Engineering and Management of Tehnological Systems, 7 th International Conference Advances in Engineering & Management, ADEM2023, 25-27 october, Drobeta Turnu Severin
10	Dumitru Panduru, Emil Nicusor Patru, Marin Bica, Nicolae Craciunoiu, RESEARCHES ON THE TEMPERATURE IN TURNING PROCESS OF Ti6Al4V TITANIUM ALLOY; Presented at: THE 11th INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING ACME2024 JUNE 6 – 7, 2024 IAȘI, ROMANIA, Session ACME-02: Materials and Surface Engineering. Mechanics of

	Deformable Bodies. Technologies in Agriculture and Food Processing FACULTY OF MECHANICAL ENGINEERING "GHEORGHE ASACHI" TECHNICAL UNIVERSITY OF IASI, for publication in International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. XVI, No. 3 / 2024
11	Dumitru Panduru, Nicolae Craciunoiu, Emil Nicusor Patru, Marin Bica, Aspects regarding the specific energy and temperature in turning of pure titanium, Buletin Științific, Seria C, Fascicola: Mecanică, Tribologie, Tehnologia Construcțiilor de Mașini Scientific Bulletin, Serie C, Fascicle: Mechanics, Tribology, Machine Manufacturing Technology, Baia Mare, ISSN 1224-3264, Vol. 2021 No. XXXV, pp. 71-75. https://www.proquest.com/openview/c821ce5bd86ebc0701b5fdcc2b3d7213/1?pq-origsite=gscholar&cbl=51656
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14	. Dumitru Panduru, Marin Bica, Nicolae Craciunoiu, Ionut Geonea, and Emil Patru Nicusor, Analysis of turning process of pure titanium using Finite Element Method, International Conference of Mechanical Engineering, 18-20 May 2022, Atlantis Highlights in Engineering, Springer Nature. doi 10.2991/978-94-6463-152-4_50, Open Acces Mai 2023., https://www.atlantis-press.com/proceedings/ico-me-22/125987658
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	Presented at: XXIIIrd National Conference on Thermodynamics with International Participation, NACOT 2023, University „Dunărea de Jos” of Galati, 11-13 May 2023
	. PANDURU Dumitru, PATRU Emil Nicusor, BICA Marin and CRACIUNOIU Nicolae, TEMPERATURE IN TURNING PROCESS OF PURE TITANIUM AND Ti6Al4V, TITANIUM ALLOY, Presented at: University of Craiova, Department of Engineering and Management of Tehnological Systems, 7 th International Conference Advances in Engineering & Management, ADEM2023, 25-27 october, Drobeta Turnu Severin
18	PATRU Emil Nicusor, PANDURU Dumitru, BICA Marin and CRACIUNOIU Nicolae, TEMPERATURE IN MILLING PROCESS OF ALUMINUM ALLOYS AND STAINLESS STEEL, Presented at: University of Craiova, Department of Engineering and Management of Tehnological Systems, 7 th International Conference Advances in Engineering & Management, ADEM2023, 25-27 october, Drobeta Turnu Severin
19	Dumitru Panduru, Emil Nicusor Patru, Marin Bica , Nicolae Craciunoiu, RESEARCHES ON THE TEMPERATURE IN TURNING PROCESS OF Ti6Al4V TITANIUM ALLOY; Presented at: THE 11th INTERNATIONAL CONFERENCE ON ADVANCED CONCEPTS IN MECHANICAL ENGINEERING ACME2024 JUNE 6 – 7, 2024 IAȘI, ROMANIA, Session ACME-02: Materials and Surface Engineering. Mechanics of Deformable Bodies. Technologies in Agriculture and Food Processing FACULTY OF MECHANICAL ENGINEERING “GHEORGHE ASACHI” TECHNICAL UNIVERSITY OF IASI, for publication in International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. XVI, No. 3 / 2024
20	. Eugenia Trasca, Marin Bica , (2021); Economic and Tehnichal Analysis of Renewable Resources and Natural Materials Through Advanced Technologies of Energy Performance Modernization IN INTERNATIONAL JOURNAL OF APPLICATION OR INNOVATION

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21	. Eugenia Trasca, Marin Bica, Evaluation (2022); Methodes of Energy Performances in Buildings IN PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON MECHANICAL ENGINEERING (ICOME 2022). Volume 15-Romania
22	Marin Bica, Dragos Tutunea, Eugenia Trasca, Evaluation (2022); Pollution Caused by Thermal Engines Whed Using Biofuels IN PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON MECHANICAL ENGINEERING (ICOME 2022). Volume 15-Romania
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25	Eugenia Trasca, Gabriel-Cosmin Buzatu, Marin Bica, (2024); IDENTIFYING HEAT LOSSES IN BUILDINGS - PROPOSED SOLUTIONS TO INCREASE ENERGY EFFICIENCY IN

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26	Eugenia Trasca, Marin Bica , (2024); METHODS AND SOLUTIONS REGARDING ENERGY EFFICIENCY IN PUBLIC BUILDINGS EFFICIENCY IN PROCEEDINGS OF THE 7th International Conference on Mechanical Engineering (ICOME) and the3rd International Conference on Advanced Research in Engineering (CARE), ICOME-CARE 2024.